

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	64	(electrochemical.ab. or electrochemical.ti.) and (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/02/01 11:12
L4	1	(electrochemical.ab. or electrochemical.ti.) and ((electrochemical adj chip) or biochip) and (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/02/01 11:13
L5	17	(electrochemical.ab. or electrochemical.ti.) and (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3 with substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/02/01 11:13
S1	23	electrochemical.ab. and (electrode\$1 with (coat\$3 or dop\$3) same \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 11:30
S2	1	electrochemical.ab. and (electrode\$1 with (coat\$3 or dop\$3) same (lipid near2 bilayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:19
S3	4	electrochemical.ab. and (electrode\$1 with (lipid near2 bilayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:19
S4	142	electrochemical.ab. and (electrode\$1 with \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:18
S5	127	sensor.ab. and (electrode\$1 with \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:17
S6	43	(electrochemical and sens\$3).ab. and (electrode\$1 with \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 11:31
S7	61	(electrochemical or sens\$3).ab. and (electrode\$1 with (coat\$3 or dop\$3) same \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:19
S8	5	(electrochemical or sens\$3).ab. and (electrode\$1 with (coat\$3 or dop\$3) same (lipid near2 bilayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 14:58

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S9	19	(electrochemical or sens\$3).ab. and (electrode\$1 with (lipid near2 bilayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:20
S10	14	(S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9) and (\$electrode\$1 same (\$ferrocen\$ and lipid))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:22
S11	202	(electrode\$1 with (coat\$3 or dop\$3) same \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:26
S12	1	(\$electrode\$1 with (dop\$3) same \$ferrocen\$) and (\$electrode\$1 with (lipid near2 bilayer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:30
S13	19	(\$electrode\$1 with (dop\$3) same \$ferrocen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/16 15:30
S14	1	"6315940".pn.	USPAT	AND	OFF	2007/01/26 13:32
S15	15	("20020074227" "20020081588" "20030009112" "4225410" "4837049" "4874499" "5120421" "5756355" "6017440" "6054039" "6277629" "6315940" "6503847" "6540891" "6596143").PN.	US-PGPUB; USPAT	AND	OFF	2007/01/26 15:56
S16	3	benzoylferrocene and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 14:56
S17	3	benzoylferrocene and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 14:58
S18	9	(benzoyl near2 ferrocene) and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 14:59
S19	9	(benzoyl with ferrocene) and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:21
S20	3	S15 and (\$ferrocen\$ or (benzoyl with \$ferrocen\$) or (benzoyl adj \$ferrocen\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:46

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S21	1	(benzoyl with ferrocene) and \$electrode\$1 and ((lipid with bilayer) or BLM OR sBLM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:40
S22	21	(benzoyl with \$ferrocen\$) and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:22
S23	92	\$ferrocene\$ and \$electrode\$1 and ((lipid with bilayer) or BLM OR sBLM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 16:11
S24	61	\$ferrocene\$ and (\$electrode\$1 with (film or coat\$3 or layer)) and ((lipid with bilayer) or BLM OR sBLM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:42
S25	0	S15 and (\$ferrocen\$ or (benzoyl with \$ferrocen\$) or (benzoyl adj \$ferrocen\$)) and ((lipid with bilayer) or BLM OR sBLM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:42
S26	251	(chen-yu.in.) or (ye-jianshan.in.) or (sheu-fwu-shan.in.) or (cui-hui fang.in.) or (chong-ser choong.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:24
S27	251	(chen-yu.in.) or (ye-jianshan.in.) or (sheu-"fwu-shan".in.) or (cui-"hui fang".in.) or (chong-"ser choong". in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 15:59
S28	3	S26 and electrode.clm. and method.clm. and etch\$3.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 16:11
S29	4	S26 and electrode.clm. and etch\$3 not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:01
S30	3886	electrochemical and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 16:21
S31	416	electrochemical and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:27
S32	232	electrochemical and sensor and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:28

## EAST Search History

S33	189	electrochemical and sensor and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:28
S34	171	electrochemical and sensor and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4) and insulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:29
S35	144	electrochemical and sensor and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4) and insulat\$3 and (lines or pads)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:30
S36	33	electrochemical and sensor and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4) and insulat\$3 and ((conduct\$3 or connect\$3 or bond\$3) adj (lines or pads))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 16:26
S37	136	electrochemical and sensor and method.clm. and (etch\$3 with \$electrode\$1) and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 16:31
S38	93	(electrochemical or sensor or chip). ab. and method.clm. and (etch\$3 with \$electrode\$1) and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:31
S39	11	S26 and \$electrode\$1 and etch\$3 not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:01
S40	148	((electrochemical or sensor).ab.) or ((electrochemical or sensor).ti.) and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:27

## EAST Search History

S41	117	((electrochemical or sensor).ab.) or ((electrochemical or sensor).ti.) and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:28
S42	94	((electrochemical or sensor).ab.) or ((electrochemical or sensor).ti.) and method.clm. and etch\$3 and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array) and (window or open\$4) and insulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 17:29
S43	69	((electrochemical or sensor).ab.) or ((electrochemical or sensor).ti.) and method.clm. and (etch\$3 with \$electrode\$1) and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 10:38
S44	44	((electrochemical or sensor).ab.) or ((electrochemical or sensor).ti.) and sensor and electrochemical and method.clm. and (etch\$3 with \$electrode\$1) and \$electrode\$1.clm. not (display.ab. or display.ti.) and (\$electrode\$1 adj array)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/26 18:05
S45	4	("5833824") or ("6969451") or ("6630359") or ("6221673")).PN.	USPAT	OR	OFF	2007/01/29 10:39
S46	1	("20020090649").PN.	US-PGPUB	OR	OFF	2007/01/29 10:40
S47	1266	204/412;438/1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 10:41

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S48	25	(US-20060121287-\$ or US-20020081588-\$ or US-20050112544-\$ or US-20040023253-\$ or US-20040048241-\$ or US-20030157587-\$ or US-20030036054-\$ or US-20010053535-\$ or US-20020090649-\$ or US-20050227373-\$ or US-20040248282-\$ or US-20030211637-\$ or US-20030192780-\$).did. or (US-6540891-\$ or US-6054039-\$ or US-5756355-\$ or US-6596143-\$ or US-4225410-\$ or US-5378343-\$ or US-5814376-\$ or US-6969451-\$ or US-6630359-\$ or US-6221673-\$ or US-5833824-\$ or US-5670031-\$). did.	US-PGPUB; USPAT	AND	OFF	2007/01/29 14:04
S49	3	(sensor.ab. or sensor.ti.) and (\$electrode adj array\$1) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:22
S50	3	(sensor.ab. or sensor.ti. or sensor) and (\$electrode adj array\$1) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:23
S51	3	(sensor.ab. or sensor.ti. or sensor) and (\$electrode near2 array\$1) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:27
S52	9	(\$electrode near2 array\$1) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:27
S53	464	(substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:29

## EAST Search History

S54	10	(\$electrode near2 array\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:27
S55	68	(sensor.ab. or sensor.ti. or sensor) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/02/01 11:06
S56	354	(substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:33
S57	67	(sensor.ab. or sensor.ti. or sensor) and (substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:40
S58	214	(substrate with \$electrode\$1) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with (((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) with etch\$3) not (display.ab. or display.ti.) and (silicon with substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 14:33
S59	6	sensor and (target or bind\$3 or moiety\$3) and (cavity or chamber) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) with ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:09
S61	316	sensor and (target or bind\$3 or moiety\$3) and (cavity or chamber) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) and ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 17:08

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S62	155	sensor and (target or bind\$3 or moiety\$3 or reagent) and ((cavity or chamber or window or opening or depressed or groove) with substrate) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) and ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:20
S63	150	sensor and (target or bind\$3 or moiety\$3 or reagent) and ((cavity or chamber or window or opening or depressed or groove) with substrate) and ((second or top) near3 (plate or substrate or cover)) ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) and ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:25
S64	36	sensor and (target or bind\$3 or moiety\$3 or reagent) and (((cavity or chamber or window or opening or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) and ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:30
S65	150	sensor and (target or bind\$3 or moiety\$3 or reagent) and ((cavity or chamber or window or opening or depressed or groove) with substrate) and ((second or top) near3 (plate or substrate or cover)) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) and ((conduct\$3 or connect\$3) adj (line\$1 or path\$1)) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:25
S66	193	sensor and (target or bind\$3 or moiety\$3 or reagent) and (((cavity or chamber or window or opening or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 17:03



## EAST Search History

S67	284	sensor and (target or bind\$3 or moiety\$3 or reagent) and (((cavity or chamber or window or opening or channel) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:35
S68	41	sensor and (target or bind\$3 or moiety\$3 or reagent) and (((cavity or chamber or window or opening or channel) with substrate) same ((second or top) near3 (plate or substrate or cover))) and (silicon with substrate) and electrochemical and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 15:36
S69	90	Shah-Rajiv.in. or Pendo-Shaun-M.in. or Gottlieb-Rebecca-K.in. or Bruso-Gil.in. or Soundararajan-Gopikrishnan.in. or Wolfe-Katherine-T.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 16:58
S70	33	S69 and electrochemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 16:58
S71	87	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/29 17:48
S72	72	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 10:35

## EAST Search History

S73	252	(chen-yu.in.) or (ye-jianshan.in.) or (sheu-fwu-shan.in.) or (cui-hui fang.in.) or (chong-ser choong.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 09:46
S74	14	S73 and electrochemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 09:48
S75	37	S73 and sensor not S74	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 09:48
S76	87	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 10:35
S77	50	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 10:51

## EAST Search History

S78	35	(US-20060171888-\$ or US-20050158845-\$ or US-20060073539-\$ or US-20040126814-\$ or US-20050112544-\$ or US-20040048241-\$ or US-20040023253-\$ or US-20030157587-\$ or US-20020090649-\$ or US-20020081588-\$ or US-20060121287-\$ or US-20050227373-\$ or US-20040248282-\$ or US-20010053535-\$ or US-20030192780-\$ or US-20030036054-\$ or US-20030211637-\$ or US-20030215972-\$).did. or (US-5756355-\$ or US-6790599-\$ or US-6392220-\$ or US-5670031-\$ or US-6969451-\$ or US-5814376-\$ or US-6054039-\$ or US-6221673-\$ or US-5833824-\$ or US-6630359-\$ or US-4225410-\$ or US-6465271-\$ or US-4107555-\$ or US-6596143-\$ or US-6540891-\$ or US-5378343-\$ or US-6388279-\$).did.	US-PGPUB; USPAT	AND	OFF	2007/01/30 17:25
S79	282	(sensor or electrochemical) and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 10:53
S80	11	electrochemical and ((cavity or chamber or window or opening or channel) with (depress\$3 or groove or etch\$3) with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not (S76 or S77)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 11:11

## EAST Search History

S81	1	electrochemical and sens\$3 and ((cavity or chamber or window or opening or channel) with (depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or opening) with etch\$3 with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not (S76 or S77)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 11:16
S82	6	electrochemical and sens\$3 and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with etch\$3 with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not (S76 or S77)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:09
S83	87	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((\$electrode\$1 or (conduct\$3 adj (layer or film))) with etch\$3) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:11
S84	50	sensor and electrochemical and (((cavity or chamber or window or opening or depression or depressed or groove) with substrate) same ((second or top) near3 (plate or substrate or cover))) and ((second or top or cover\$3) near3 (substrate or plate or board)) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not S83	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:11

## EAST Search History

S85	11	electrochemical and ((cavity or chamber or window or opening or channel) with (depress\$3 or groove or etch\$3) with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board)))) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electropray.ab. or electropray.ti.) not (S83 or S84)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:11
S86	6	electrochemical and sens\$3 and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with etch\$3 with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board)))) and ((electrode or sensor) near2 array) not (display.ab. or display.ti. or electropray.ab. or electropray.ti.) not (S83 or S84)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:11
S87	17	(electrochemical.ab. or electrochemical.ti.) and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with etch\$3 with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board)))) and \$electrode\$1 not (display.ab. or display.ti. or electropray.ab. or electropray.ti.) not (S83 or S84 or S85 or S86)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:57
S89	88	(electrochemical.ab. or electrochemical.ti.) and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board)))) same ((support\$3 or first or bottom) near3 substrate) and \$electrode\$1 not (display.ab. or display.ti. or electropray.ab. or electropray.ti.) not (S83 or S84 or S85 or S86 or S87)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:36

## EAST Search History

S90	73	(electrochemical.ab. or electrochemical.ti.) and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) same ((support\$3 or first or bottom) near3 substrate) and \$electrode\$1 not ((display or battery or gas).ab. or (display or battery or gas).ti. or electrospray.ab. or electrospray.ti.) not (S83 or S84 or S85 or S86 or S87)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 14:25
S91	5	(electrochemical.ab. or electrochemical.ti.) and (gap with etch\$3 with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) and \$electrode\$1 not (display.ab. or display.ti. or electrospray.ab. or electrospray.ti.) not (S83 or S84 or S85 or S86)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 12:57
S92	47	electrochemical and ((\$electrode\$1 or sensor) with array) and ((cavity or chamber or window or opening or channel or depress\$3 or groove or recess\$3 or indent\$3 or canal or conduit or open\$3) with ((second or top or cover\$3) near3 (plate or substrate or cover\$3 or board))) same ((support\$3 or first or bottom) near3 substrate) and \$electrode\$1 not ((display or battery or gas).ab. or (display or battery or gas).ti. or electrospray.ab. or electrospray.ti.) not (S83 or S84 or S85 or S86 or S87 or S90)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 14:26
S93	2	(electrochemical).ab. and (\$electrode\$1 with dop\$3 with ferrocene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 14:59
S94	9	(\$electrode\$1 with dop\$3 with ferrocene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 15:11
S95	252	(chen-yu.in.) or (ye-jianshan.in.) or (sheu-fwu-shan.in.) or (cui-hui fang.in.) or (chong-ser choong.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 15:09

## EAST Search History

S96	1	S95 and \$ferrocene\$ and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 15:09
S97	290	(\$electrode\$1 with dop\$3) and ferrocene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 15:14
S98	231	(\$electrode\$1 with dop\$3) and ferrocene and electrochemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 15:14
S99	44	(US-20040065550-\$ or US-20050164297-\$ or US-20020081588-\$ or US-20060121287-\$ or US-20050227373-\$ or US-20030211637-\$ or US-20030192780-\$ or US-20030036054-\$ or US-20010053535-\$ or US-20030215972-\$ or US-20040126814-\$ or US-20050112544-\$ or US-20040048241-\$ or US-20040023253-\$ or US-20030232203-\$ or US-20030157587-\$ or US-20020090649-\$ or US-20060171888-\$ or US-20060073539-\$ or US-20050158845-\$ or US-20030217918-\$ or US-20050236361-\$ or US-20040000483-\$ or US-20060154361-\$ or US-20040248282-\$).did. or (US-6540891-\$ or US-5670031-\$ or US-5378343-\$ or US-6969451-\$ or US-6630359-\$ or US-6221673-\$ or US-5833824-\$ or US-4225410-\$ or US-6465271-\$ or US-4107555-\$ or US-6392220-\$ or US-6068748-\$ or US-6790599-\$ or US-6388279-\$ or US-6596143-\$ or US-6932893-\$ or US-5814376-\$ or US-5756355-\$ or US-6054039-\$).did.	US-PGPUB; USPAT	AND	OFF	2007/01/30 16:10
S10 0	1	(\$ferrocene\$ with ((lipid with bilayer) or BLM OR sBLM)) and \$electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 16:12

## EAST Search History

S10 1	18	(\$electrode\$1 with ((lipid with bilayer) or BLM OR sBLM)) and \$ferrocene\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 16:12
S10 2	45	(US-20040065550-\$ or US-20050164297-\$ or US-20020081588-\$ or US-20060121287-\$ or US-20050227373-\$ or US-20030211637-\$ or US-20030192780-\$ or US-20030036054-\$ or US-20010053535-\$ or US-20030215972-\$ or US-20040126814-\$ or US-20050112544-\$ or US-20040048241-\$ or US-20040023253-\$ or US-20030232203-\$ or US-20030157587-\$ or US-20020090649-\$ or US-20060171888-\$ or US-20060073539-\$ or US-20050158845-\$ or US-20030217918-\$ or US-20050236361-\$ or US-20040000483-\$ or US-20060154361-\$ or US-20040248282-\$ or US-20060008863-\$).did. or (US-6540891-\$ or US-5670031-\$ or US-5378343-\$ or US-6969451-\$ or US-6630359-\$ or US-6221673-\$ or US-5833824-\$ or US-4225410-\$ or US-6465271-\$ or US-4107555-\$ or US-6392220-\$ or US-6068748-\$ or US-6790599-\$ or US-6388279-\$ or US-6596143-\$ or US-6932893-\$ or US-5814376-\$ or US-5756355-\$ or US-6054039-\$).did.	US-PGPUB; USPAT	AND	OFF	2007/02/01 11:05
S10 3	1	"20050067279"	US-PGPUB	AND	OFF	2007/01/30 17:24
S10 4	122	204/403.13.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:25
S10 5	71	204/403.13.ccls. and electrochemical and \$electrode\$1. clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:26



## EAST Search History

S10 6	10	204/403.13.ccls. and electrochemical and \$electrode\$1. clm. and ferrocene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:28
S10 7	3	204/403.13.ccls. and electrochemical and \$electrode\$1. clm. and ferrocene and dop\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:37
S10 8	3	204/403.13.ccls. and electrochemical and \$electrode\$1. clm. and (\$electrode\$1 with (lipid or BLM or sBLM or phospholipid))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/30 17:38
S10 9	45	(US-20040065550-\$ or US-20050164297-\$ or US-20020081588-\$ or US-20060121287-\$ or US-20050227373-\$ or US-20030211637-\$ or US-20030192780-\$ or US-20030036054-\$ or US-20010053535-\$ or US-20030215972-\$ or US-20040126814-\$ or US-20050112544-\$ or US-20040048241-\$ or US-20040023253-\$ or US-20030232203-\$ or US-20030157587-\$ or US-20020090649-\$ or US-20060171888-\$ or US-20060073539-\$ or US-20050158845-\$ or US-20030217918-\$ or US-20050236361-\$ or US-20040000483-\$ or US-20060154361-\$ or US-20040248282-\$ or US-20060008863-\$).did. or (US-6540891-\$ or US-5670031-\$ or US-5378343-\$ or US-6969451-\$ or US-6630359-\$ or US-6221673-\$ or US-5833824-\$ or US-4225410-\$ or US-6465271-\$ or US-4107555-\$ or US-6392220-\$ or US-6068748-\$ or US-6790599-\$ or US-6388279-\$ or US-6596143-\$ or US-6932893-\$ or US-5814376-\$ or US-5756355-\$ or US-6054039-\$).did.	US-PGPUB; USPAT	AND	OFF	2007/01/31 13:02
S11 0	33	S109 and etch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/01/31 13:01